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PATENT
Attorney Docket No.: 021031-000210US /fw

Commissioner for Patents
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Alexandria, VA 22313-1450

May 26, 2004

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MAY 28 2004
PATENT & TRADEMARK OFFICE
TOWNSEND and TOWNSEND and CREW LLP
By: *M. T. Davis*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Robert Martienssen

Application No.: 10/606,502

Filed: June 26, 2003

For: METHODS AND COMPOSITIONS
FOR DETERMINING METHYLATION
PROFILES

Examiner: Not Yet Assigned

Art Unit: 1645

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

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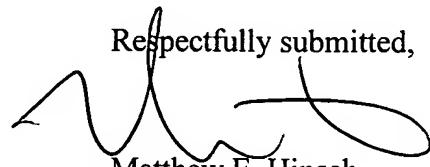
Sir:

The references cited on attached form PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

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Reg. No. 47,651

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Substitute for form 1449B/PT INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/606,502
				Filing Date	June 26, 2003
				First Named Inventor	Martienssen, Robert
				Art Unit	1645
				Examiner Name	Not Yet Assigned
Sheet	3	of		Attorney Docket Number	021031-000210US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US 5,405,760	04-11-1995	Raleigh et al.	
	AB	US 5,786,146	07-28-1998	Herman et al.	
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	AK	US-2003/0165923 A1	09-04-2003	Li et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	<input type="checkbox"/> T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	AM	WO	00/26401 A1	05-11-2000			<input type="checkbox"/>
	AN	WO	01/68807 A2	09-20-2001			<input type="checkbox"/>
	AO	WO	01/75172 A1	10-11-2001			<input type="checkbox"/>
	AP	WO	03/023065 A1	03-23-2003			<input type="checkbox"/>
	AQ	WO	03/025215 A1	09-13-2002			<input type="checkbox"/>
	AR	WO	03/027259 A2	04-03-2003			<input type="checkbox"/>
	AS	WO	03/066895 A2	08-14-2003			<input type="checkbox"/>
	AT	WO	03/076666 A1	09-18-2003			<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				<input type="checkbox"/> T ²	
	AU	ADORJAN, Peter et al.; "Tumour class prediction and discovery by microarray-based DNA methylation analysis"; <i>Nucleic Acids Research</i> , 2002, Vol. 30, No. 5 e21, 9 pages.					
	AV	BURMAN Robert W. et al.; "Hypomethylation of an Expanded FMR1 Allele Is Not Associated with a Global DNA Methylation Defect"; <i>Am. J. Hum. Genet.</i> , 1999, Vol. 65, pp. 1375-1386.					
	AW	CALDAS, Carlos et al.; "Frequent somatic mutations and homozygous deletions of the p16 (MTS1) gene in pancreatic adenocarcinoma"; <i>Nature Genetics</i> , 1994, Vol. 8, pp. 27-32.					
	AX	CRAIG, B.A. et al.; "Designing Microarrays"; <i>Applied Statistics in Agriculture</i> , pp. 159-164.					

Examiner Signature	Date Considered
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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete if Known		
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				Filing Date	June 26, 2003	
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		Country Code ³	Number ⁴	Kind Code ⁵ (If known)				
	AY	EADS, Cindy A. et al.; "MethyLight: a high-throughput assay to measure DNA methylation"; <u>Nucleic Acids Research</u> , 2000, Vol. 28, No. 8, e32, 8 pages.						
	AZ	FRIGOLA, Jordi et al.; "Methylome profiling of cancer cells by amplification of inter-methylated sites (AIMS)"; <u>Nucleic Acids Research</u> , 2002, Vol. 30, No. 7, e28, 7 pages.						
	BA	GENC, B. et al.; "Identification of disease associated genes and tumour class prediction by genome wide microarray-based DNA methylation scanning"; <u>The American Journal of Human Genetics</u> , 2001, Vol. 69, No. 4, 1 page abstract.						
	BB	HATADA, Izuho et al.; "A microarray-based method for detecting methylated loci"; <u>J. Hum. Genet.</u> , 2002, Vo. 47, pp. 448-451.						
	BC	HERMAN, James G. et al.; "Methylation-specific PCR: A novel PCR assay for methylation status of CpG islands"; <u>Proc. Natl. Acad. Sci.</u> , 1996, Vol. 93, pp. 9821-9826.						
	BD	HUANG, Tim Hui-Ming et al.; "Methylation profiling of CpG islands in human breast cancer cells"; <u>Human Molecular Genetics</u> , 1999, Vol. 8, No. 3, pp. 459-470.						
	BE	McCLELLAND, Michael et al.; "Effect of site-specific modification on restriction endonucleases and DNA modification methyltransferases"; <u>Nucleic Acids Research</u> , 1994, Vol. 22, No. 17, pp. 3640-3659.						
	BF	"McrBC - M0272 - NEB Restriction Endonucleases; http://www.neb.com/neb/products/res_enzymes/272.html , 3 pages.						
	BG	"McrBC"; Technical Bulletin, 2001, <u>New England Biolabs, Inc.</u> , 2 pages.						
	BH	OKAMOTO, Keisei et al.; "Epigenetic changes at the insulin-like growth factor II/H19 locus in developing kidney is an early event in Wilms tumorigenesis"; <u>Proc. Natl. Acad. Sci.</u> , 1997, Vol. 94, pp. 5367-5371.						
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	BJ	STEIGERWALD, Sabine D. et al.; "Ligation-mediated PCR improves the sensitivity of methylation analysis by restriction enzymes and detection of specific DNA strand breaks"; <u>Nucleic Acids Research</u> , 1990, Vol. 18, No. 6, pp. 1435-1439.						
	BK	TOMPA, Rachel et al.; "Genome-Wide Profiling of DNA Methylation Reveals Transposon Targets of CHROMOMETHYLASE3"; <u>Current Biology</u> , 2002, Vol. 12, pp. 65-68.						
	BL	TOYOTA, Minoru et al.; "Identification of Differentially Methylated Sequences in Colorectal Cancer by Methylated CpG Island Amplification"; <u>Cancer Research</u> , 1999, Vol. 59, pp. 2307-2312.						
	BM	WANG, C.H. et al.; "Autism DNA methylation profiling using CpG microarrays"; <u>The American Journal of Human Genetics</u> , 2001, Vol. 69, No. 4, 1 page abstract.						
	BN	WEI, Susan H. et al.; "Methylation Microarray Analysis of Late-Stage Ovarian Carcinomas Distinguishes Progression-free Survival in Patients and Identifies Candidate Epigenetic Markers"; <u>Clinical Cancer Research</u> , 2002, Vol. 8, pp. 2246-2252.						

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